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DIALOG(R)File 351:Derwent WPI

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WPI Acc No: 1985-135576/198523

XRPX Acc No: N85-101921

**Support structure for excavation pit or trench - has panel guide units
adjustably fastened to vertical supports**

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Number of Countries: 005 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3341483	A	19850530	DE 3341483	A	19831117	198523 B
EP 144007	A	19850612	EP 84113462	A	19841108	198524
EP 144007	B	19880615			198824	
DE 3472126	G	19880721			198830	

Priority Applications (No Type Date): DE 3341483 A 19831117

Cited Patents: A3...8529; CH 514038; EP 39960; FR 2231237; No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3341483	A	18			
EP 144007	A	G			

Designated States (Regional): AT DE FR GB NL

EP 144007 B G

Designated States (Regional): AT DE FR GB NL

Abstract (Basic): DE 3341483 A

The structure consists of vertical supports (2), placed in the ground at relative distances, and support panels (4,4') which are pushed between the supports to form a wall. The parallel panel side edges are supported by guide units (5,5',6,6') on the support sides, which engage the rear of the panels.

The guide units are adjustably fastened to the supports, via adjusting drives. Front and back of each support have projecting flanges (7,8) parallel to the wall plane, between which the guide units are displaceably held.

ADVANTAGE - Reliable panel support in deep tranches and excavations, subjected to earth movements.

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Abstract (Equivalent): EP 144007 B

Sheeting means for shoring a wall of an excavation or trench comprising verticle shores (2) insertable in spaced manner in the ground and sheeting boards (4,47) slidable between the shores (2) and forming a sheeting wall with the latter, the sheeting boards being sharable on their parallel lateral edges by guide means (5,5',6,6') located on both side walls of the shores (2) and engaging on the back of sheeting boards (4,4') characterised in that in the plane of the sheeting wall the guide means (5,5',6,6') are adjustably fixed by means of control drives (15) to shore (2).

Title Terms: SUPPORT; STRUCTURE; EXCAVATE; PIT; TRENCH; PANEL; GUIDE; UNIT; ADJUST; FASTEN; VERTICAL; SUPPORT

Derwent Class: Q42

International Patent Class (Additional): E02D-017/04

File Segment: EngPI